Model 1473
High Power, N or SMK Connectors
Conduction Cooled

dc to 6.0 GHz
550 Watts

RoHS



Features

- **Precision Connectors with high temperature support beads.**
- **Designed to meet environmental requirements of MIL-DTL-3933.**
- **10 Kilowatts peak, Conduction Cooled**
- **Wireless Applications** - Optimized for use in the communications bands.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 6.0 GHz

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 6	1.20

3rd ORDER INTERMODULATION (1473-X-LIM ONLY): Reflected Levels (IM3), -100 dBc with two input signals @ 869 MHz and 891 MHz with average carrier power levels of +43 dBm each.

POWER RATING: 550 watts **average,** 10 kilowatt **peak** (5 µsec pulse width; 2.75% duty cycle) with case temperature held within **100 °C maximum** with appropriate conductive heat sink.

TEMPERATURE RANGE: -55°C to 100°C

TEST DATA: Swept data plots of SWR from 50 MHz to 6 GHz is available at additional cost.

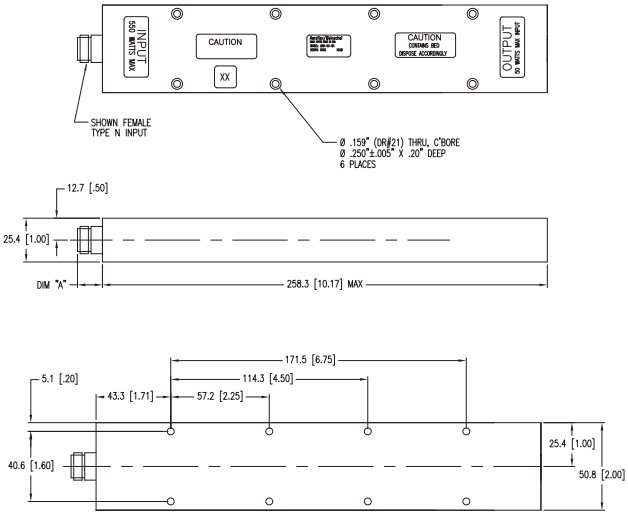
CONNECTORS: Type N connector per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connector. Choice of male (-4) or female connector (-3).

SMK (2.92mm) connector mates nondestructively with SMA per MIL-C-39012, 3.5mm and other 2.92mm (SMK) connector. Choice of male (-2) or female connector (-1).

CONSTRUCTION: Aluminum alloy body, stainless steel connectors; gold plated beryllium copper contacts and stainless steel male contacts.

WEIGHT: 900 g (31.7 oz.)

PHYSICAL DIMENSIONS:



Model #	DIM A	Connector Type
1473-1	12.7 (0.50)	2.92mm female
1473-2	14.0 (0.55)	2.92mm male
1473-3	15.0 (0.59)	N female
1473-4	22.9 (0.90)	N male

NOTE: All dimensions are given in mm (inches) and are nominal, unless otherwise specified.

MODEL NUMBER DESCRIPTION:

Example:

1473 - X - LIM

- 1473: Basic Model Number
- X: Connector Options (1st digit is input side, 2nd digit is output side)
- LIM: IM Option*

* Add -LIM to entire model number for Low Intermodulation option.

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